TITLE: LATTICE MATCHING Sheet 1 of 13 Docket No.: 01263.107359

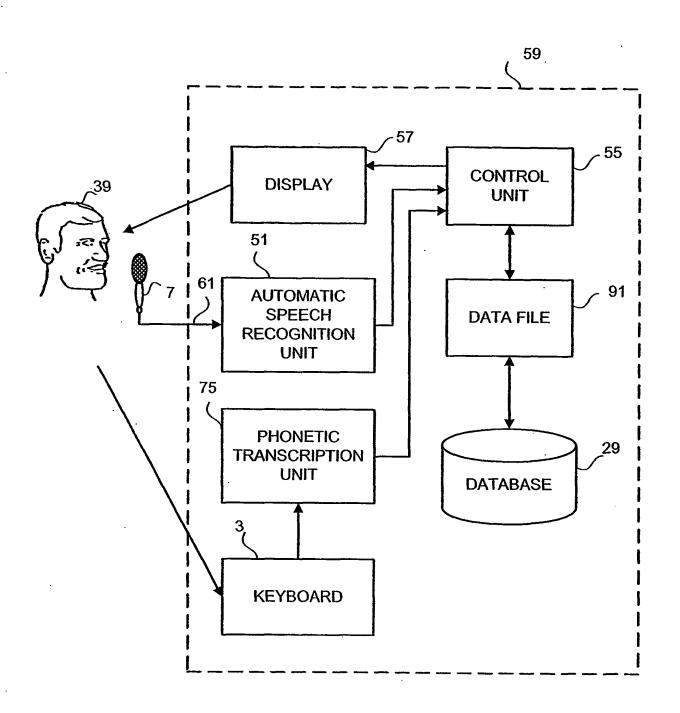
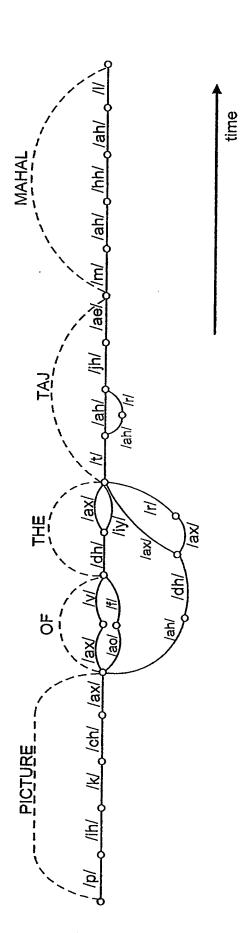
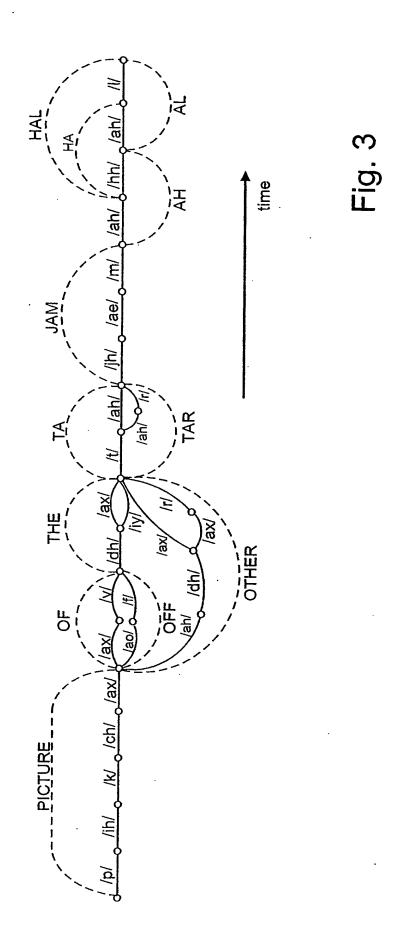


Fig. 1





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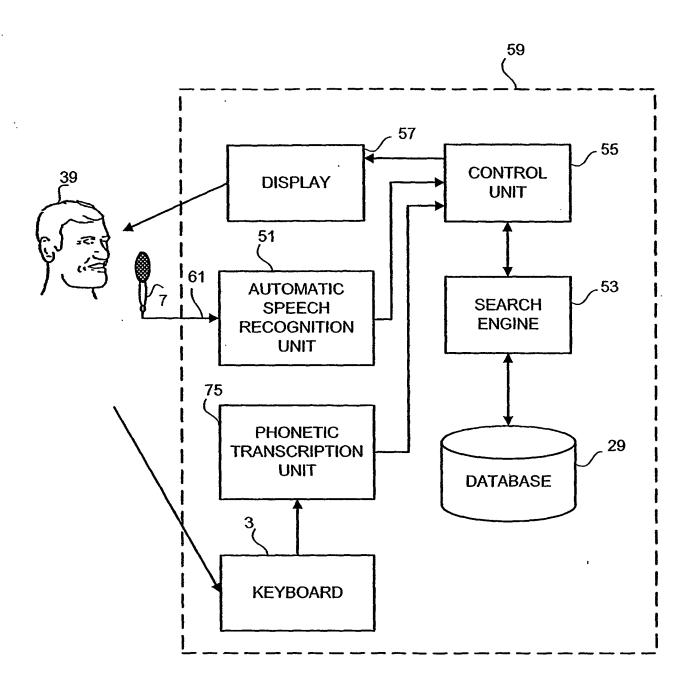


Fig. 4

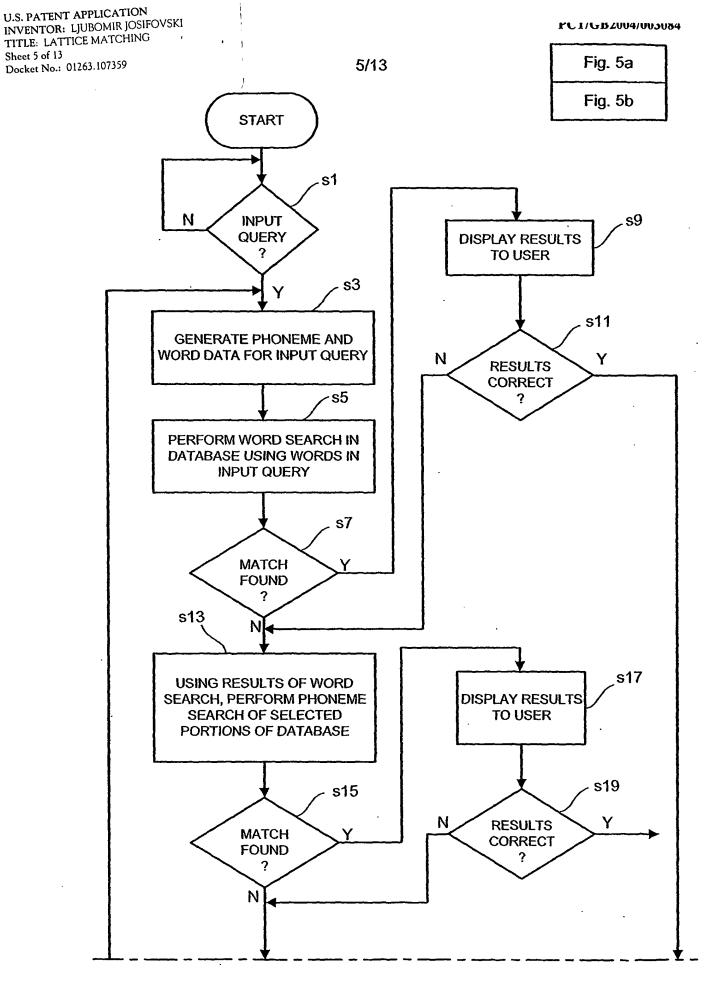


Fig. 5a

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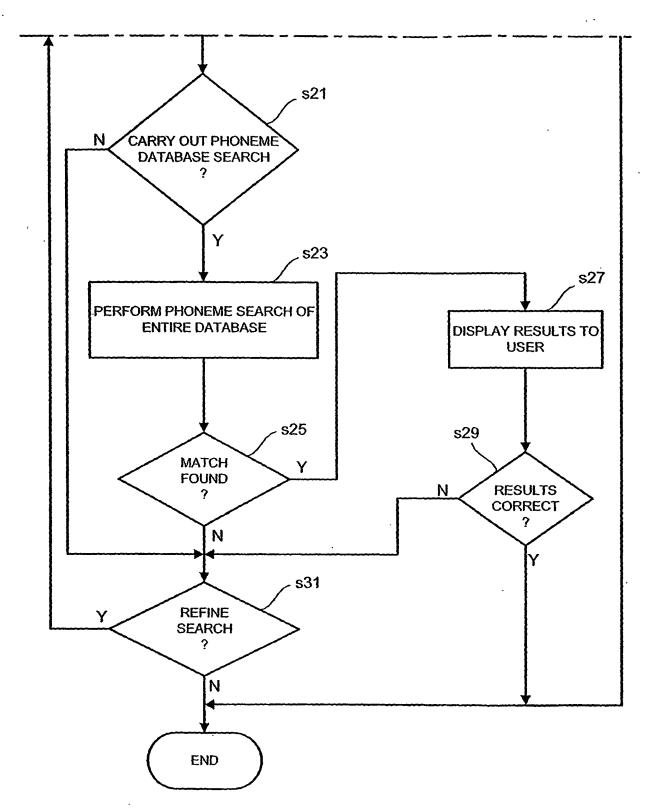
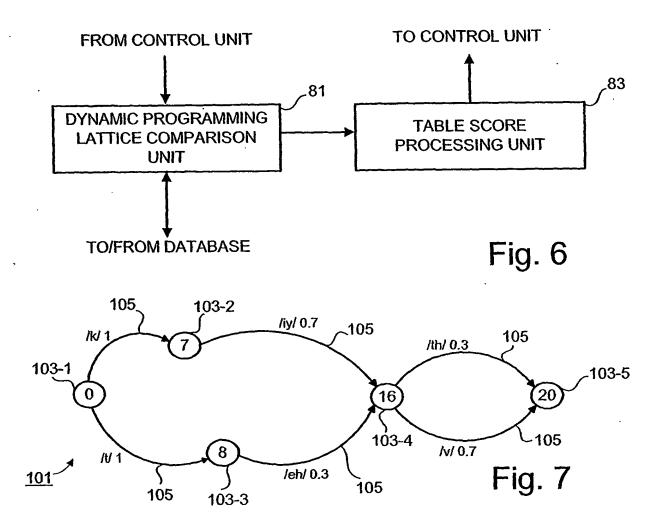
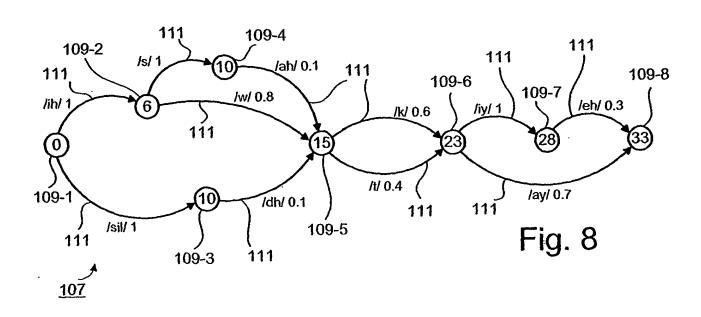


Fig. 5b





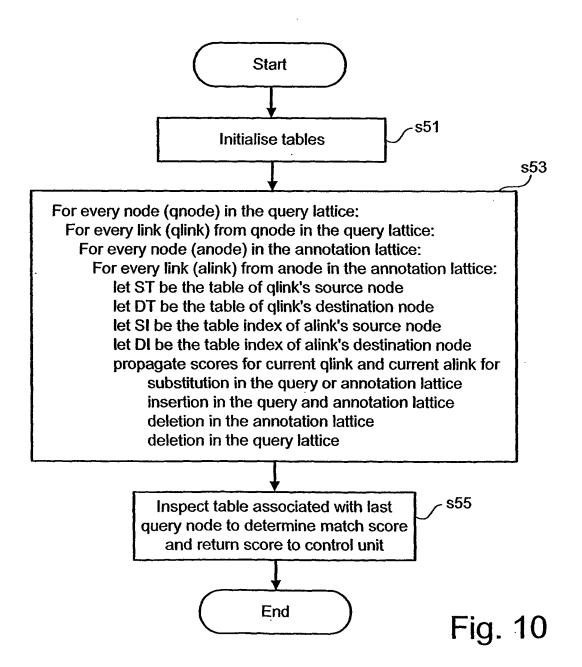
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| INDEX | SCORE | 121 |
|--------|------------------|-----|
| 0 (0) | S _o | |
| 1 (6) | S ₁ | |
| 2 (10) | . S ₂ | |
| 3 (15) | S ₃ | |
| 4 (23) | S ₄ | |
| 5 (28) | S ₅ | |
| 6 (33) | S ₆ | |

Fig. 9



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| 121-ST | | |
|--------|--------|-------|
| | INDEX | SCORE |
| | 0 (0) | 0 |
| | 1 (6) | 0 |
| | 2 (10) | 0 |
| | 3 (15) | 0 |
| | 4 (23) | 0 |
| | 5 (28) | 0 |
| | 6 (33) | 0 |

| | | 121-DT |
|--------|--------|--|
| SCORE | INDEX | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| -1e+38 | 0 (0) | 1 |
| -1e+38 | 1 (6) | 1 |
| -1e+38 | 2 (10) | 1 |
| -1e+38 | 3 (15) | 1 |
| -1e+38 | 4 (23) | 1 |
| -1e+38 | 5 (28) | 1 |
| -1e+38 | 6 (33) |] |

Fig. 11a

 $\mathsf{DT}[1] = \mathsf{MAX}(\mathsf{DT}[1],\,\mathsf{ST}[0] + \log(1) + \log(0.6) + \log(\mathsf{P}(\mathsf{insert}\,/\mathsf{ih}/)) + \log(\mathsf{P}(\mathsf{insert}\,/\mathsf{k}/))) = \mathsf{a}$

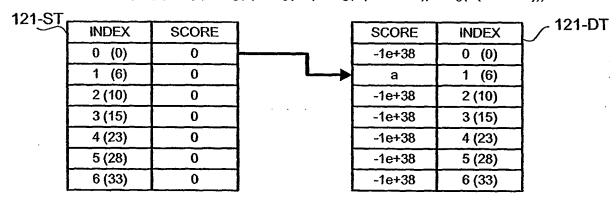


Fig. 11b

DT[1] = MAX(DT[1], ST[0] + log(1) + log(0.6) + log(P(/ih/ sub with /k/))) = b

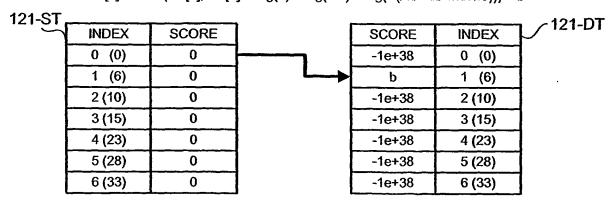


Fig. 11c

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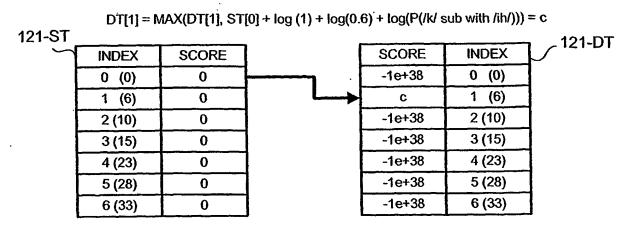


Fig. 11d

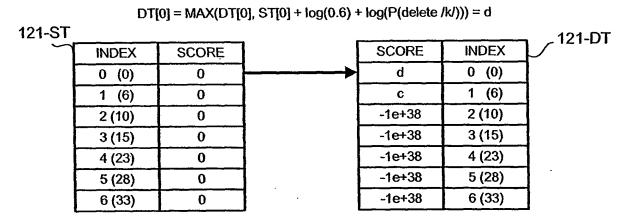
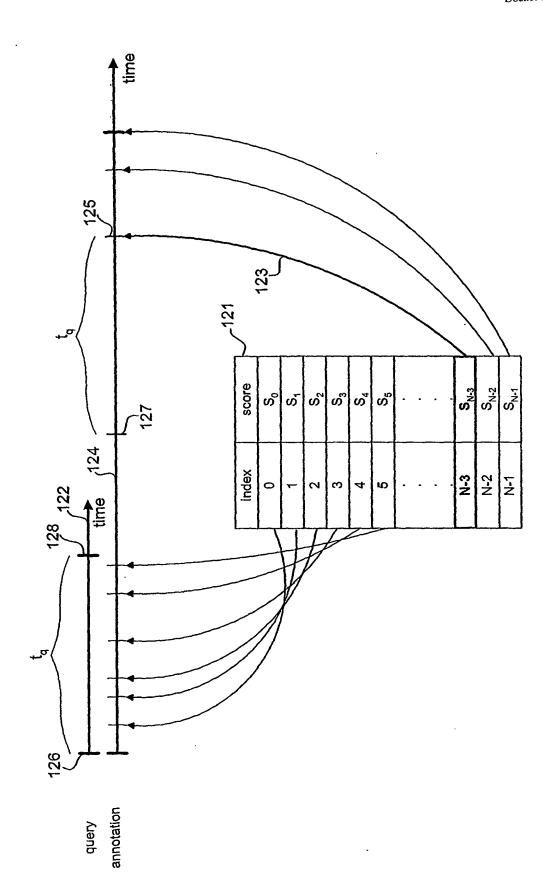


Fig. 11e

ST[1] = MAX(ST[1], ST[0] + log(1) + log(P(delete /ih/))) = e121-ST 121-DT **INDEX SCORE SCORE INDEX** 0 (0) 0 (0) 0 1 (6) 1 (6) C -1e+38 2 (10) 2 (10) 0 3 (15) 0 -1e+38 3 (15) -1e+38 4 (23) 4 (23) 0 0 -1e+38 5 (28) 5 (28) -1e+38 6 (33) 0 6 (33)

Fig. 11f

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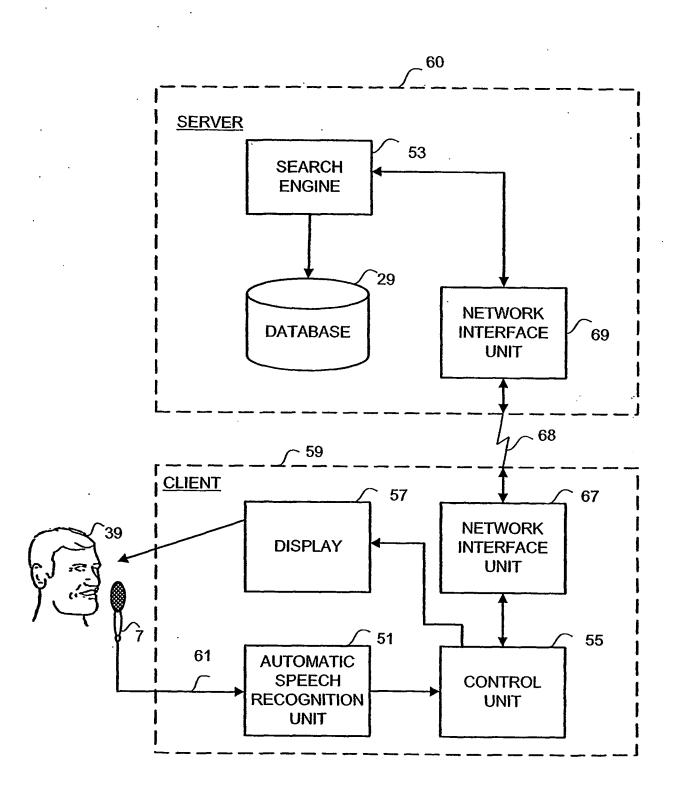


Fig. 13

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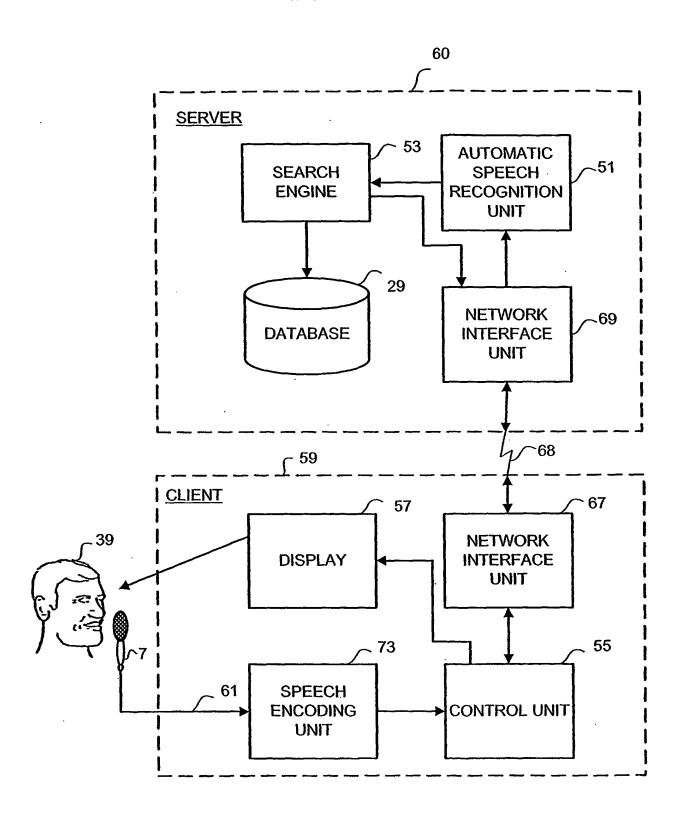


Fig. 14